

TRIBUTE TO
WILLIAM R. HOLLEY

William R. Holley, a high-energy physicist by training who joined the Theoretical Modeling program in the Life Sciences Division of the Lawrence Berkeley National Laboratory 22 years ago, passed away on Nov. 19, 2004. Bill made significant contributions to the development of complex algorithms related to radiation-induced damage to DNA in different structural forms. The algorithms are now used regularly to evaluate chromosomal aberrations induced by high-energy heavy charged particles. His primary research interests were radiation biology and the biological effects of energetic heavy ions. He also had a long-standing interest in particle accelerators and related research. Prior to joining the modeling group, Bill was involved in treatment planning for radiotherapy with heavy ions at the Berkeley BEVALAC. He participated in every NASA radiobiology run at the Brookhaven National Laboratory AGS from the program's inception in 1995 through 2003. At the AGS Bill typically worked 12-hour shifts helping the experimenters with dosimetry and data acquisition. Many investigators benefited from Bill's experience, always cheerfully shared, in heavy ion dosimetry and related hardware. He will be missed particularly for his simple living and high thinking.

